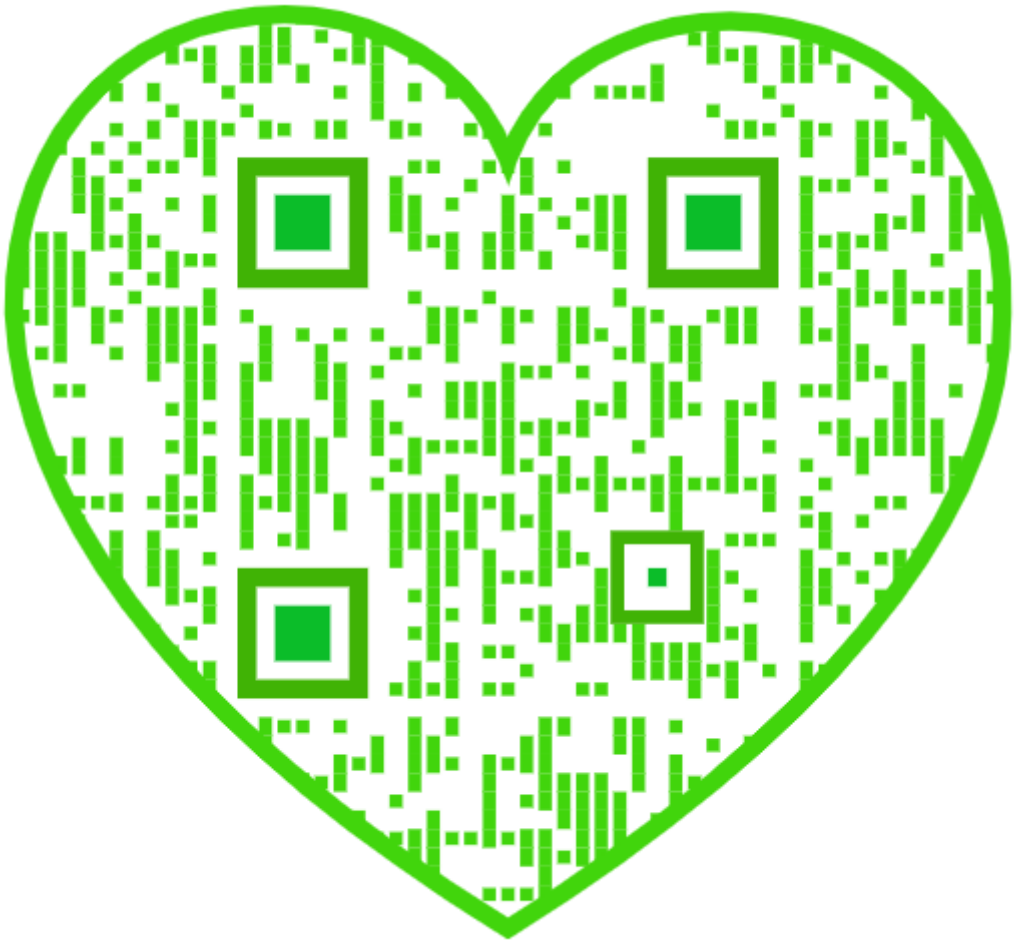

QUARTO
QE
131
.A114
1874
Atlas

Atlas accompanying reports of Missouri Geological Survey, 1874

ACCOMPANYING REPORTS OF

MISSOURI GEOLOGICAL SURVEY,

1874.

G. C. BROADHEAD, State Geologist.

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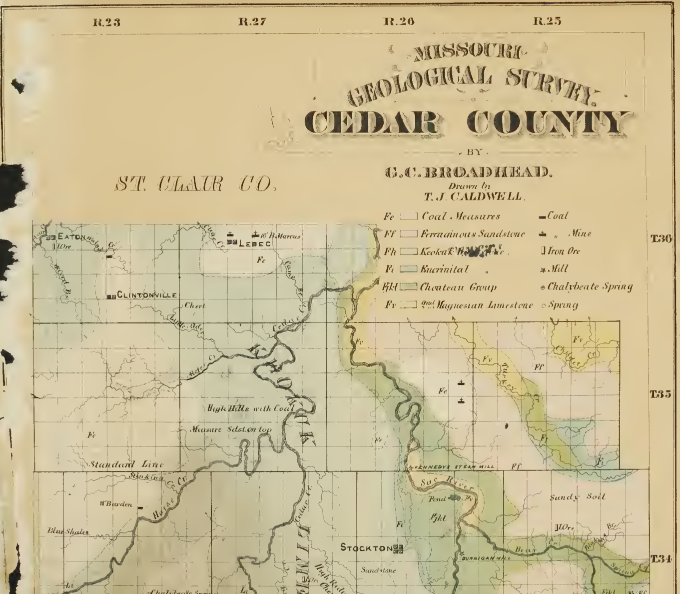
MISSOURI GEOLOGICAL SURVEY.
CEDAR COUNTY
BY
G. C. BROADHEAD.
Drawn by
T. J. CALDWELL.
R.23
R.27
R.26
R.25
T.36
T.35
T.34
T.33
ST. CLAIR CO.
Fe Coal Measures
Ff Ferruginous Sandstone
Fh Keokuk
Ft Encrinital
Fjkl Chouteau Group
Fv 2nd Magnesian Limestone
Coal
Mine
Iron Ore
Mill
Chalybeate Spring
Spring
EATON
LEBEC
CLINTONVILLE
STOCKTON
PAINTERVILLE
CANEHILL
KENNEDYS STEAM MILL
DUNNIGAN MILL
High Hills with Coal
Measure Sdst. on top
Standard Line
Sac River
Sandy Soil
Blue Shales
Chalybeate Spring
High Ridges Chert on top
Chert
Sand stone
KEOKUK LIMESTONE
Cedar Cr.
Horse Cr.
Turkey Cr.
Bear Cr.
Big Sac R.
Pond
W Barden
Fe
Fv
Ff
Ft
Fjkl
Lt
Ore

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MISSOURI
GEOLOGICAL SURVEY
BARTON COUNTY

BY

G. C. BROADHEAD.

Drawn by
T. J. CALDWELL

Coal Measures

Lower Carboniferous Keokuk Group

MISSOURI GEOLOGICAL SURVEY.

VERNON COUNTY

BY

G. C. BROADHEAD.

Drawn by

T. J. CALDWELL.

Coal Measures

Lower Carboniferous

MISSOURI GEOLOGICAL SURVEY

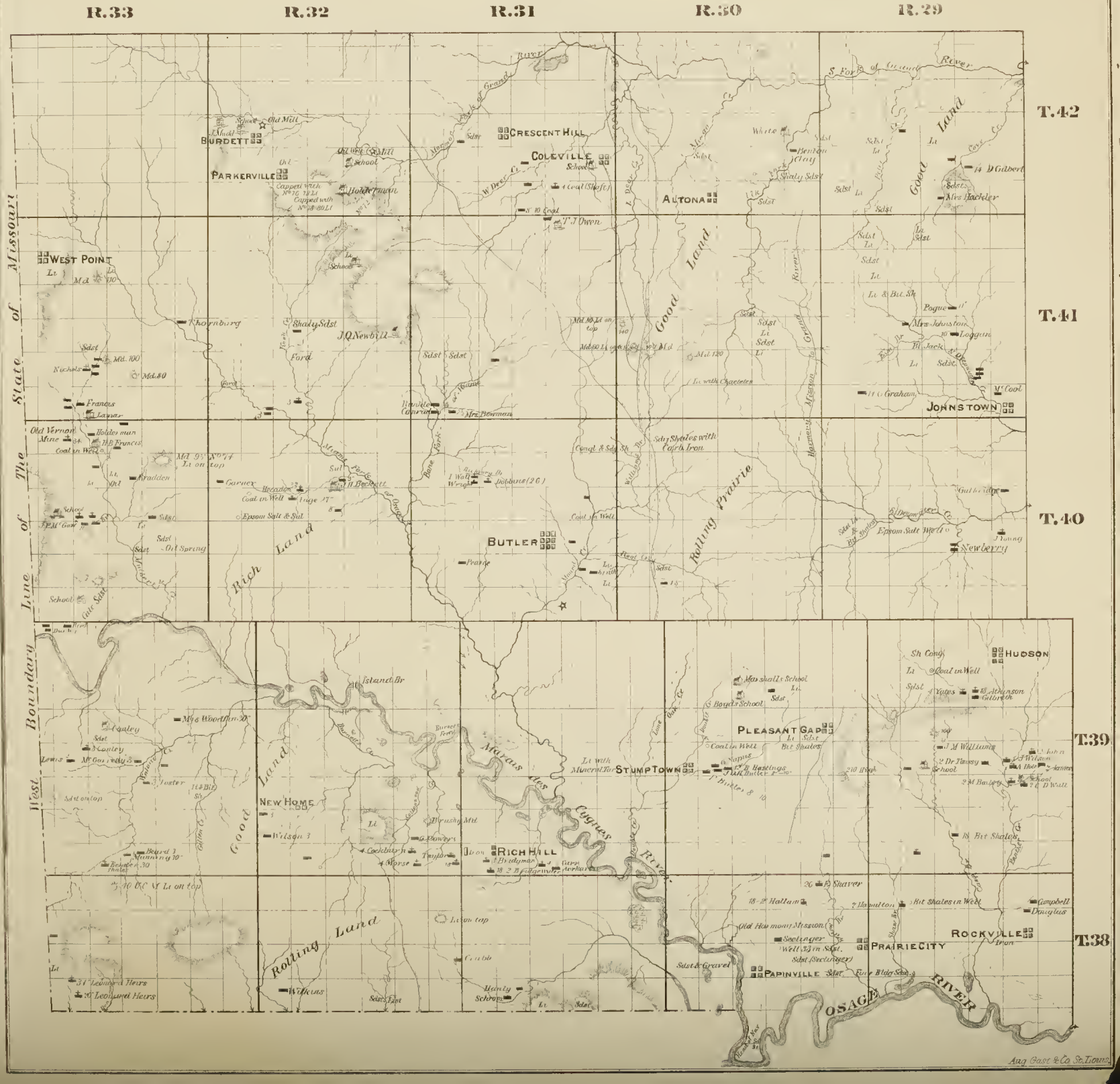
BATES COUNTY

BY

G. C. BROADHEAD.

Drawn by

T. J. CALDWELL.



R.18 R.17 R.16 R.15 R.14

MISSOURI GEOLOGICAL SURVEY.

HOWARD COUNTY

BY

G.C. BROADHEAD & C.J. NORWOOD.

Drawn by

T.J. CALDWELL.

CHARITON CO.

RANDOLPH CO.

CHARITON RIVER

BOONE CO.

MISSOURI RIVER

COAL MEASURES

T.52 T.51 T.50 T.49

Coal
Mine
Salt Spring
Well
Mill
Prairie
Timber

SWITZER'S MILL
ROANOKE
PRAIRIE
RUSSELL
DENNIS
MYERS (BUNKER HILL)
BURTON
GLASGOW
LOUISIANA & MISSOURI RIVER R.R.
STEAM MILL WISELY
PROJECTED Rd
BLUFFPORT
FAYETTE
SEBREE
LAND MARK
TALBOTT
BOONSLICK
BOONSBOROUGH
ESTELLE
NEW FRANKLIN
BOONEVILLE
ROCHEPORT
MK & T R R
Salt Spring
Salt Spring (Barkhart)
Salt Spring (Adams)
White Store
Barton
Coal outcrop in many places 12 to 40 ft
Explanations
Eq Quaternary
E Coal Measures
Ef Ferruginous Sandstone
Egh St Louis & Kinkaid Group
Ei Encrinital Limestone
Ej Chouteau Group
RIVER

MISSOURI
GEOLOGICAL SURVEY.

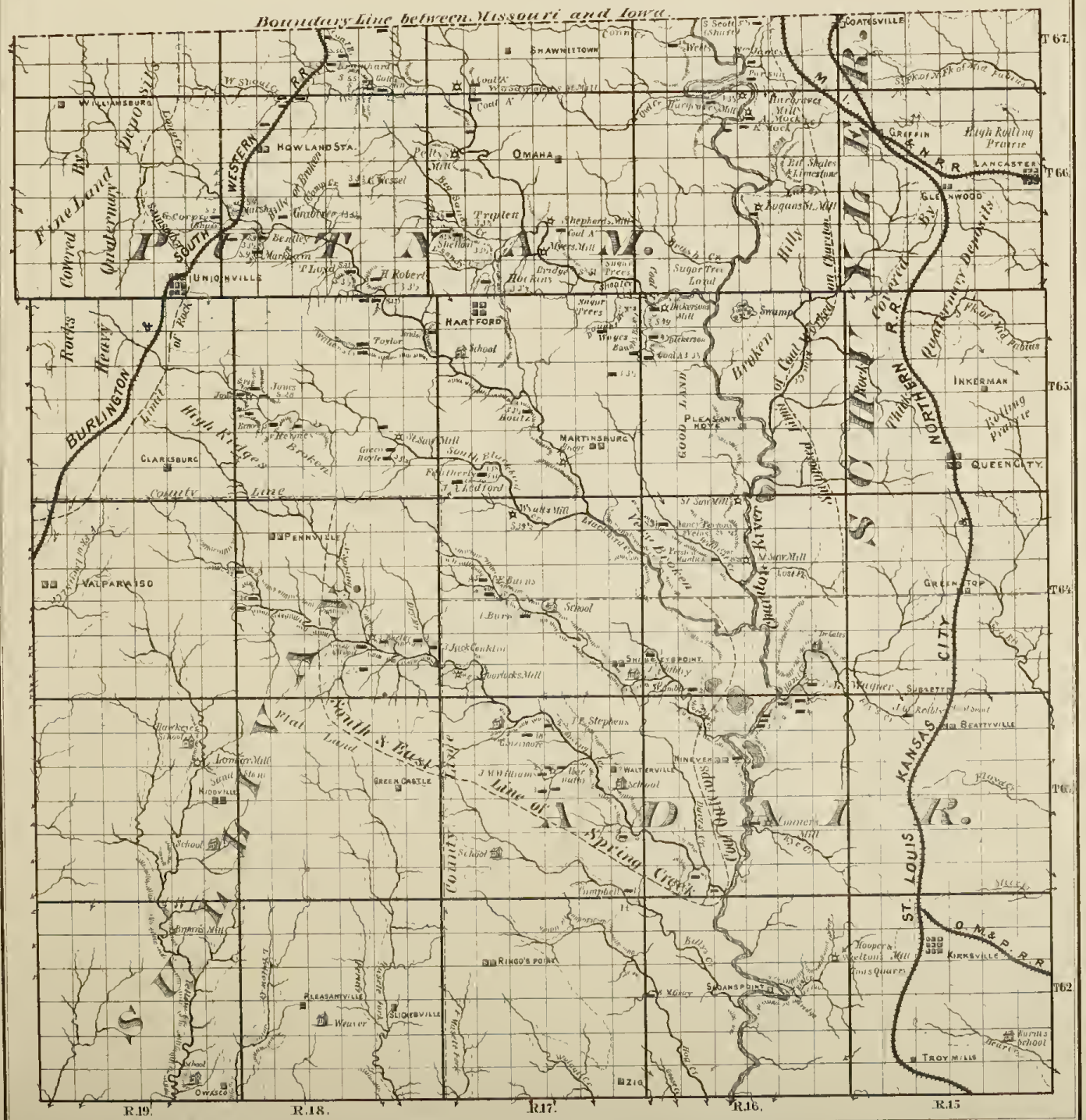
G. C. BROADHEAD,
STATE GEOLOGIST,

PART OF NORTHERN MISSOURI

BY

G. C. BROADHEAD & C. J. NORWOOD.

Drawn by
T. J. CALDWELL.



MISSOURI
GEOLOGICAL SURVEY.

G. C. BROADHEAD.
STATE GEOLOGIST.

MADISON COUNTY

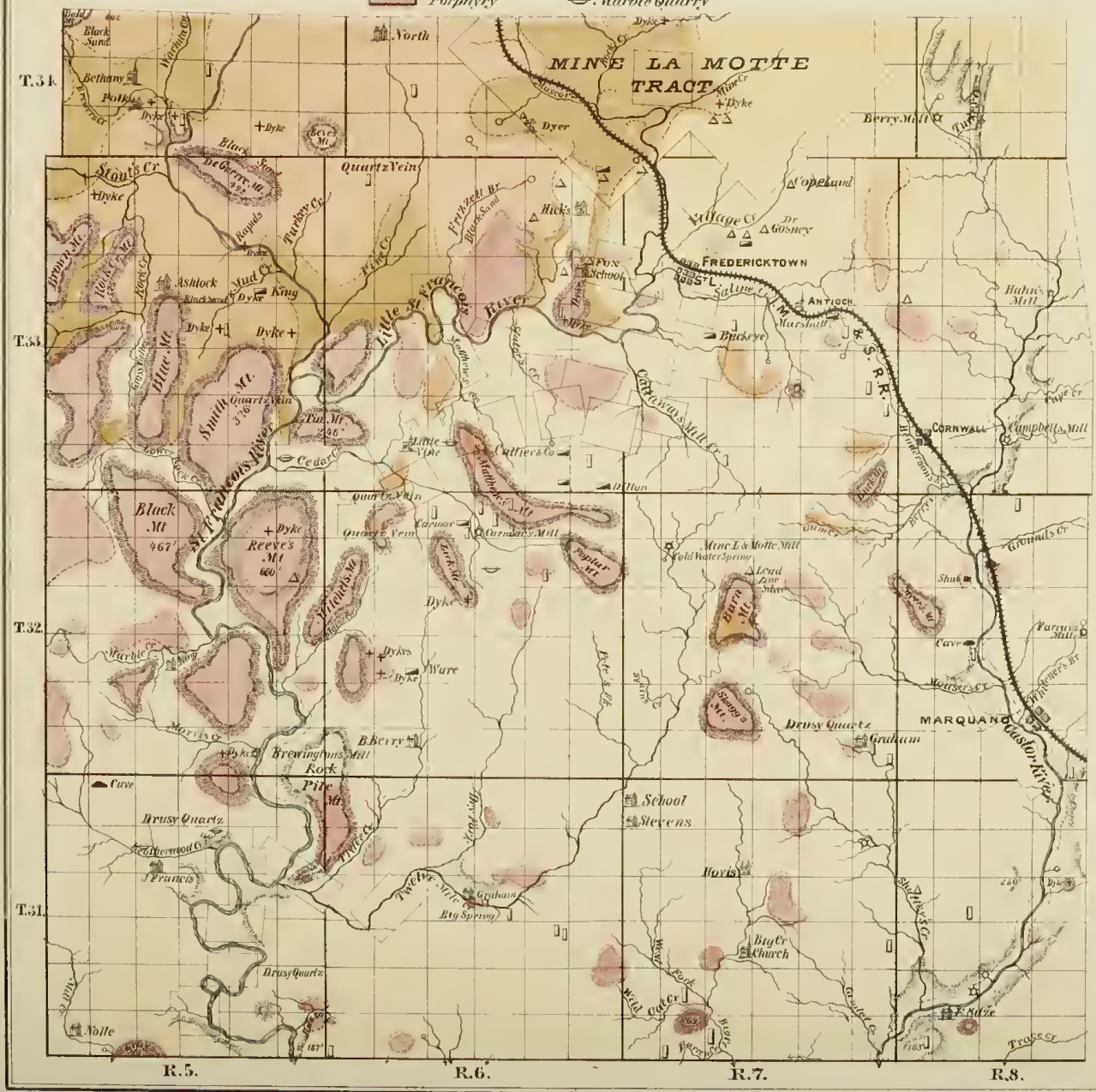
— BY —

C. J. NORWOOD. & G. C. BROADHEAD

Drawn by
T. J. CALDWELL

Explanations.

Quaternary	+ Trap Dyke
Chert & Limestone	Iron
Sandstone	Lead
Granite	Copper
Porphyry	Marble Quarry



GEOLOGICAL MAP OF JASPER COUNTY

BY

C. C. BROADHEAD, STATE GEOLOGIST,
& C. J. NORWOOD, ASS'T GEOLOGIST,

# of LEAD REGION of JASPER & NEWTON COUNTIES

BY

A. SCHMIDT | ASS'T GEOLOGISTS.
& A. LEONHARD |

Drawn by T. J. Caldwell

Explanations:

Coal, Mine Coal / Zinc Ore — Coal Measures / Lower Carboniferous — Lead Ore / Lead Furnace

R.33 R.32 R.31 R.30 R.29 R.28

T30 T29 T28 T27 T26 T25 T24

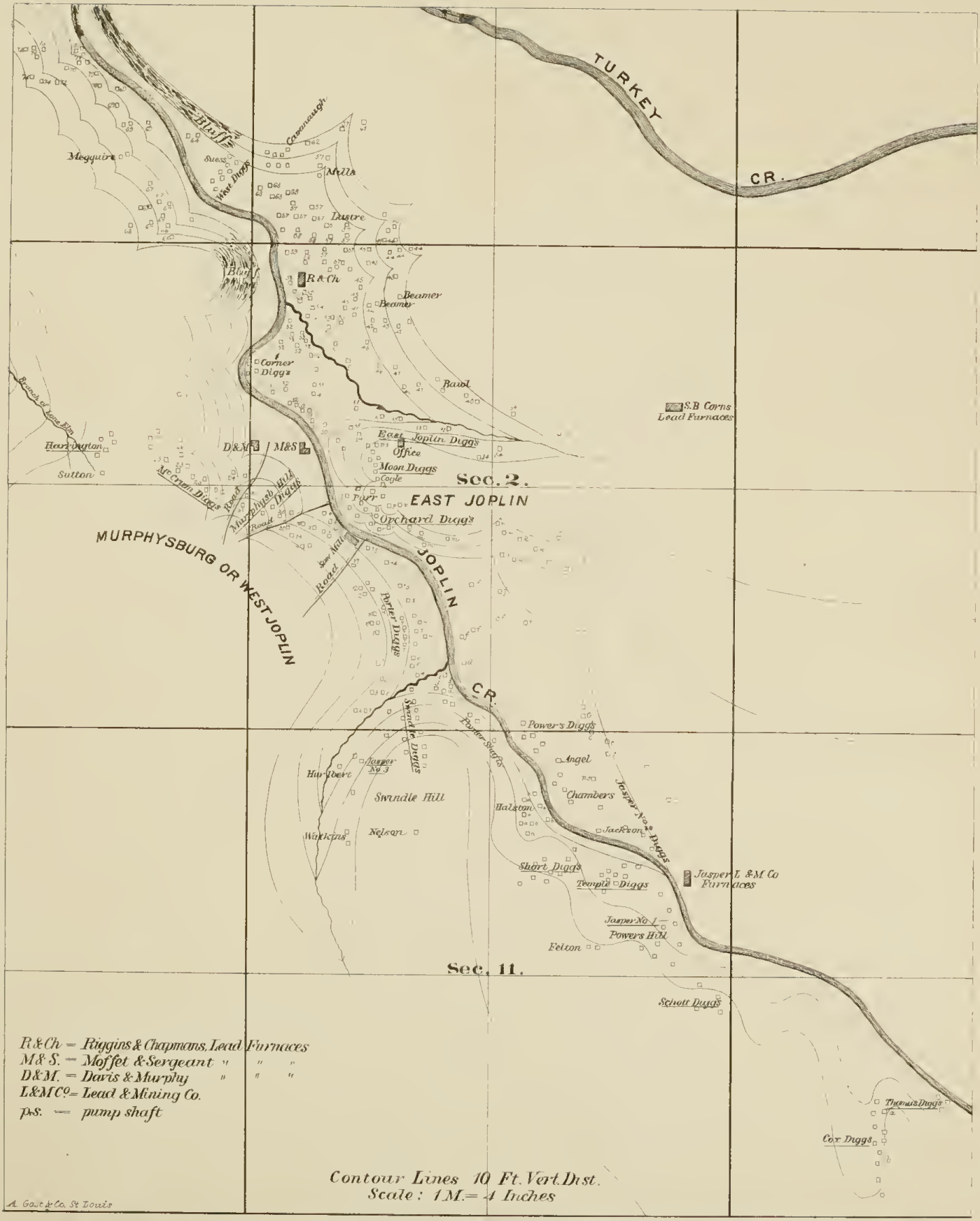
GOOD LAND — CHERTY — JASPER COUNTY — NEWTON COUNTY — DADE CO. — LAWRENCE COUNTY — BARRY CO.

MIDWAY, EMEDDO, GEORGIA CITY, MILLSBURGH, PRESTON, ALBA, MARIETTA, MEMPHIS, CARTHAGE, JOHN GROVES, JOHNSONVILLE, SMITHFIELD, JOPLIN, SCOTLAND, FIDELITY, DIAMOND CITY, SARCOXIE, REEDS, SANDSTONE, QUAPAW, PEACHORCHARD, TURNAH, GRANBY CITY, GRANEY, WILLOW SPRINGS, BERWICK, PIERCE CITY, DAYTON, NEOSHO, NOBLETON, NEWTONIA, OLIVERS PRAIRIE, JOLLIFICATION, SENECA, ERCT

Missouri Pacific, Atlantic, Frisco, Kansas City, Memphis & Springfield, Northwestern, Diamond Grove Branch, Sarcoxie Branch

Scale 1 Mile = 1 Inch

Albert & Co. St. Louis



R.&Ch = Riggins & Chapmans, Lead Furnaces
M& S. = Moffet & Sergeant " " "
D&M. = Davis & Murphy " " "
L&MCo = Lead & Mining Co.
p.s. = pump shaft

Contour Lines 10 Ft. Vert. Dist.
Scale: 1 M. = 4 Inches

A. Gast & Co. St Louis

SKETCH OF THE JOPLIN LEAD DISTRICT. T. 27 N. R. 33 W.

MISSOURI GEOLOGICAL SURVEY.

G. C. BROADHEAD, STATE GEOLOGIST,

MAP OF THE LEAD REGION OF CENTRAL MISSOURI

BY A. SCHMIDT — Drawn by T. J. Caldwell

Explanations:

Fi Encrinital Limestone
Fj Chouteau "
Fu Sacharoidal Sandstone
Fv Second Mag. Limestone
Iw " Sandstone
Fy Third "
Fx Third Mag. Limestone
▲ Lead
▲ " Furnace
□ Iron
□ " Furnace
— Coal Fz Fourth Mag. Limestone

MISSOURI
GEOLOGICAL SURVEY.
MAP OF
GRANBY MINES
NEWTON COUNTY.

SURVEYED BY G. HENRICH CIVIL ENG 1873

SCALE 300 FT = 1 IN

EXPLANATIONS.

Indicates Shafts worked at time of survey
" " shafts and workings at present
" " Shafts filled up to some extent at bottom
" " recently filled up entirely
" " Wells recently dug &c.

The mouchoirs are dark of N.E. The deviations are agreed to be only below where the Old mines take up the shafts & Levels Very Recently.

VIRGIL

BUTCH HOLLOW

BROCK HOLLOW

CRAB TREE DIGGINGS

HARDS SHAFTS & DIGGINGS

SOLOMAN SHAFTS

ASHCRAFTS HOLLOW

CENTRE SEC 18 T 25 R 30

EAST POINT

BELEW SHAFTS

POOR MANS POINT

CHESTER SHAFTS

CHESTER DIGGINGS

A. Gast & Co. St. Louis.

MISSOURI GEOLOGICAL SURVEY.

BY

G. C. BROADHEAD,

STATE GEOLOGIST.

GROUPED SECTIONS IN NORTHEAST MISSOURI

BY

G. C. BROADHEAD & C. L. NORWOOD.

Drawn by

T. J. CALDWELL.

Vertical Scale

ADAIR CO.

LINN CO.

SULLIVAN COUNTY.

HOWARD CO.

SULLIVAN CO.

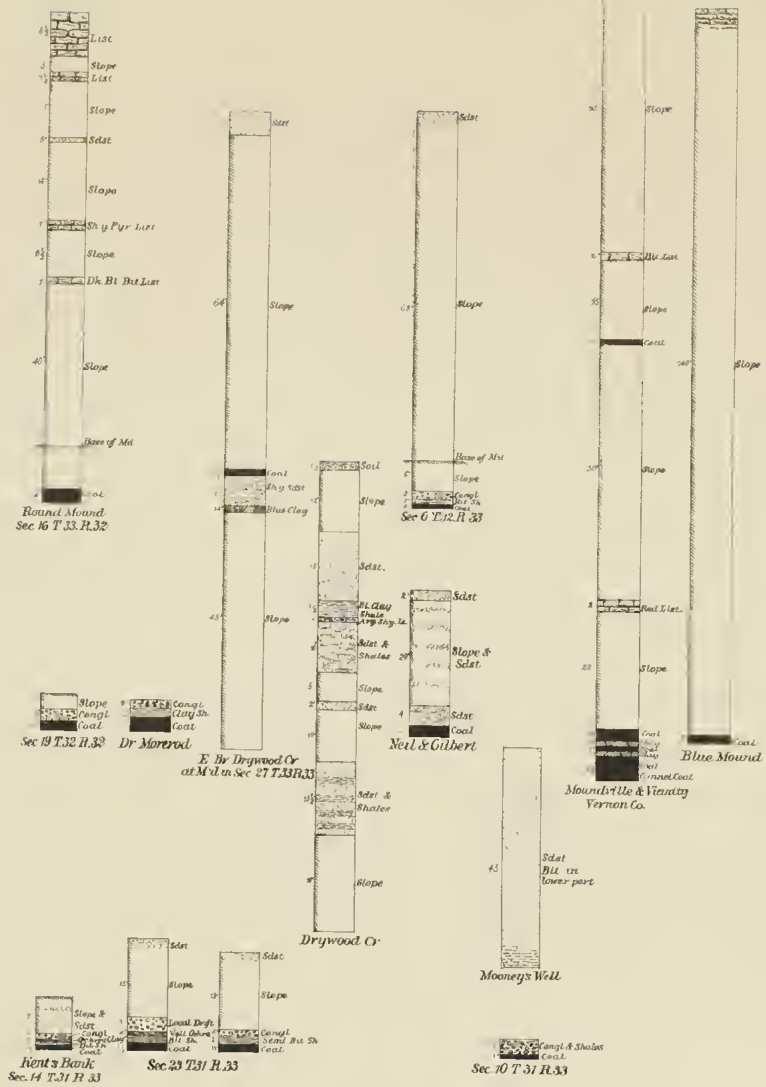
ADAIR CO.

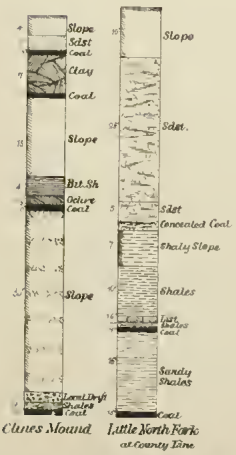
PUTNAM CO.

Explanations of Abbreviations.

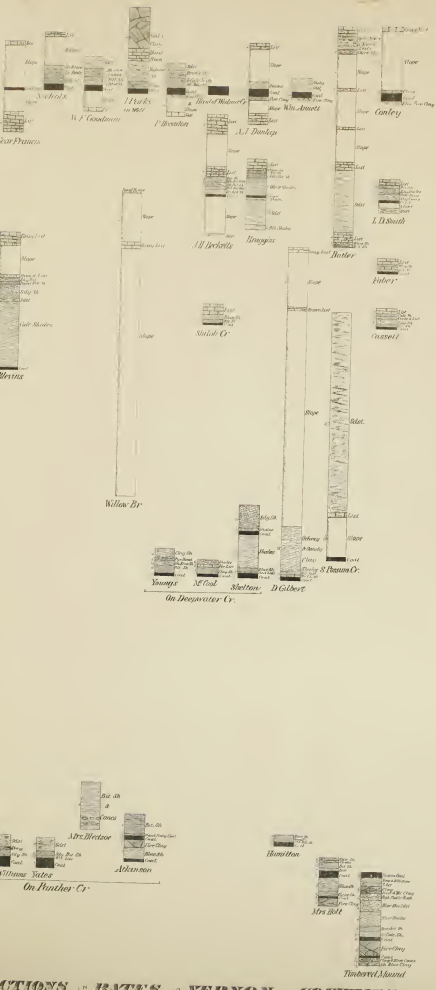
Arg. = Argillaceous	Fossil= Fossiliferous	Pur. = Purple
Ar. = Arenaceous	Glob. = Globular	Pyr. = Pyritiferous
Bdd. = Bedded	Gr. = Green	Red. = Red
Bit. = Bituminous	Gyp. = Gypsiferous	Rh. = Rhomboidal
Bl. = Blue	Hd. = Hard	Rhomb. = " "
Blsh. = Bluish	Hem. = Hematite	Rib. = Rough
Blk. = Black	Ir. = Iron	Rot. = Rotten
Bf. = Buff	Irreg. = Irregularly	Sd. = Sand
Br. = Brown	Ironst. = Ironstone	Sdy. = Sandy
Brsh. = Brownish	Ls. = Limestone	Sdst. = Sandstone
Calc. = Calcareous	Lst. = "	Sil. = Siliceous
Carb. = Carbonate	Lmost. = "	Sh. = Shales
Cl. = Clay	Lt. = Light	Shy. = Shaly
Col. = Colored	Lent. = Lenticular	Sil. = Siliceous
Conc. = Concretionary	Low. = Lower	Sl. = Slate
Concs. = Concretions	Mot. = Mottled	Stkd. = Streaked
Congl. = Conglomerate	Micac. = Micaceous	Strk. = Streak
Cryst. = Crystalline	Nod. = Nodular	Vit. = Vitreous
Dk. = Dark	Nods. = Nodules	Wh. = White
Dr. = Drab	Och. = Ochre	Yel. = Yellow
Er. Bdd. = Even Bedded	Ochy. = Ochery	Yelsh. = Yellowish
Fer. = Ferruginous	Ochs. = Ochreous	
Fr. Cl. = Fire Clay	Ol. = Olive	

Acme Stone Lith. & Engr. Co.

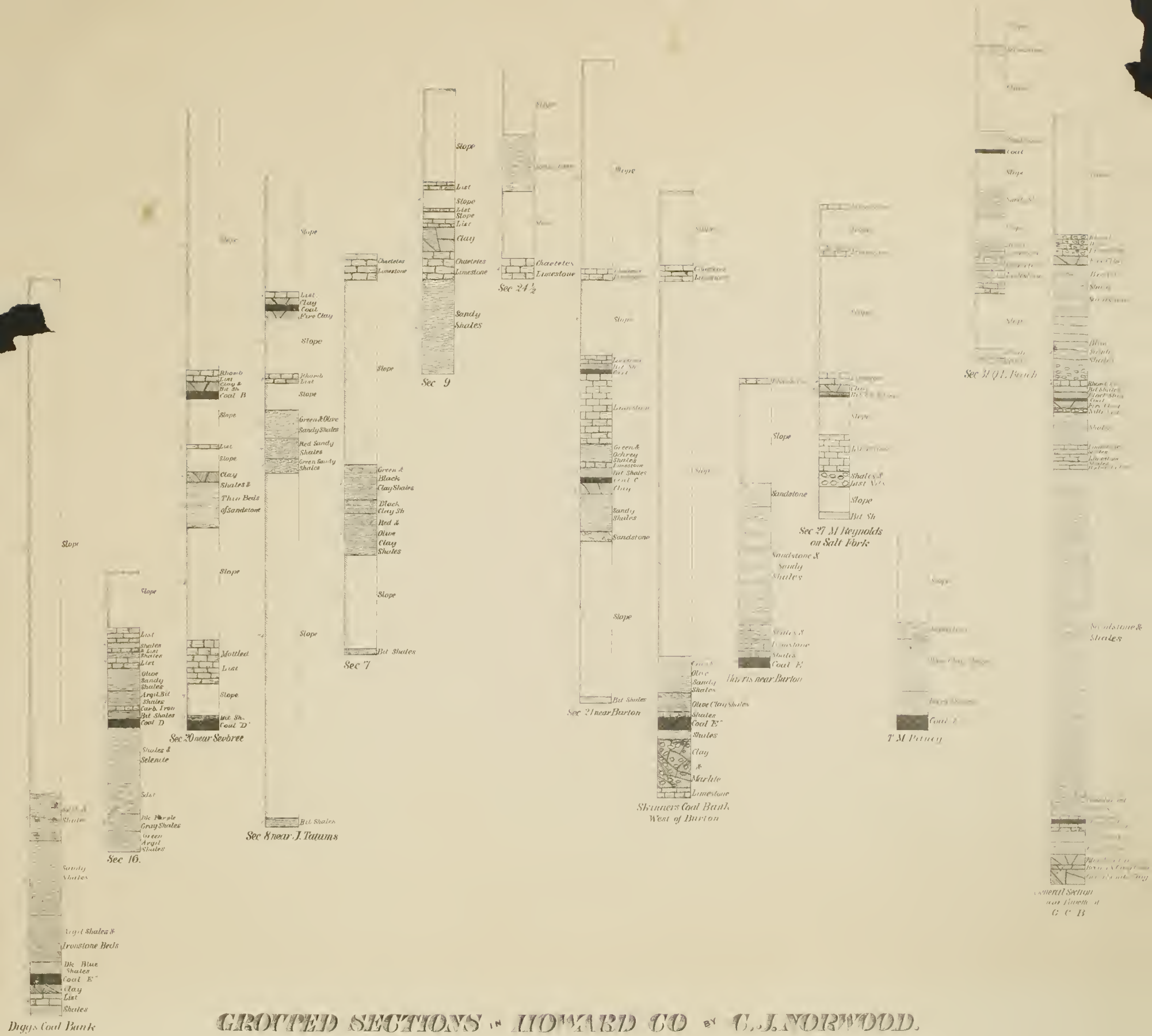

Round Mound
Sec 16 T 33 R 32
Dr Morerod
Sec 19 T 32 R 33
E. By Drywood Cr
at M'd in Sec 27 T 33 R 33
Drywood Cr.
Neil & Gilbert
Sec 6 T 32 R 33
Moundville & Vienna
Vernon Co.
Blue Mound
Mooney's Well
Sec 10 T 31 R 33
Kent's Bank
Sec. 14 T 31 R 33
Sec 23 T 31 R 33



SECTIONS IN BARTON COUNTY.



SECTIONS IN BATES & VERNON COUNTIES



GROTTED SECTIONS IN HOWARD CO BY C.J.NORWOOD.

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3 1197 23334 0337